

-1- (WPAT)

ACCESSION NUMBER

75-21292W/13

TITLE

Mercury-contg. zinc dust prodn. for e.g. pressed electrodes - by mixing mercury into the melt and atomising

DERWENT CLASSES

L03 M22 P53 X16

PATENT ASSIGNEE

(LEYB ) METALLURGIE HOBOKEN OVERPELT

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NUMBERS

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DE2441356 A 75.03.20 \* (7513)

BE-819926 A 75.03.17 (7514)

NL7411786 A 75.03.21 (7514)

NO7403119 A 75.04.14 (7520)

FR2244272 A 75.05.16 (7525)

JP50056536 A 75.05.17 (7528)

GB1473424 A 77.05.11 (7719)

IT1021318 B 78.01.30 (7819)

CA1037295 A 78.08.29 (7837)

US4104188 A 78.08.01 (7847)

DE2441356 C 84.04.05 (8415)

SECONDARY INT'L. CLASS.

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ABSTRACT

DE2441356 A

Zinc dust is made by incorporating mercury in molten (un)alloyed zinc, homogenizing the melt and pulverizing e.g. by atomisation in a gas stream.

Process is used for the prepn. of pressed electrodes for batteries. It is necessary to include mercury in zinc battery electrodes to reduce the escape of H<sub>2</sub> (the loss of which lowers the battery capacity).

Amalgamation, which is an expensive and delicate process, is avoided and a more homogeneous distribution of mercury in the zinc dust is achieved by incorporating (part of) the mercury into the melt.